


```

; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 786
; LENGTH: 2451
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 03528CBI
; US-09-976-594-786

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Query Match	17.4%;	Score 386.4;	DB 4;	Length 2451;
Best Local Similarity	58.7%;	Pred. No. 2,7e+102;		
Matches 763;	Conservative	0;	Mismatches 501;	Indels 36; Gaps 4;
Qy	801	AGACAGGCATAAACTTCGCAAAATAGCACACTATTCTTGTGGAAGTGTCTGGACATGATG	860	
Db	503	ACACGGGGATAACTTTGAGAAATATGATCATATACAGTAGAGGCAACGGGAGTAAC	562	
Qy	861	CACCAACGCAATTCGTACTTTTGAAGAGCTAATCTCTGTGACAGACTGGAATAACAACA	920	
Db	563	GTCTCCACATATTGAGAAATTTAGCGATATTGACATGGGAGAAATTTATCATGGGAACA	622	
Qy	921	TTTGCTAAAGCTGTTATACCTAAGCTTACTCTGTGCARAAATACAGTATTCCTATCATATC	980	
Db	623	TTGAACCTACTCGCTATCTACTCTCTACTCCAGTGCMAAAACATGCGAATTCCTATTATTA	682	
Qy	981	TTGCAGGACGAGATTTGATGGCTTGTGCTCAAAACAGGGTCTGGAAGACTGGCGTTTTC	1040	
Db	683	AGGGAAAAAGAGACTTAATGGCTGTGCTCCAAACAGGATCTGGGAAACCTGCAGCATTTT	742	
Qy	1041	TCCTACCAATTTGGCTCA-----TATCATGCATGATG	1073	
Db	743	TTTTACCCTACTAGTGCAGATATATACAGATGGTCCAGGAGAGCTTTGAAAGCTGTGA	802	
Qy	1074	GAATTAACCTGCCAGTCGTTTTAAAGAGTTGCAGGAACCCAGAGTGTATTATTGTAGCACAA	1133	
Db	803	AGGTAAATGGNAGTATGGCGCGCGCAACAAATATCCAATATCCTTGGTTTTAGCCCCAA	862	
Qy	1134	CTCGAGAATTGGTCAACACAGATTATTTTGGAAGCCAGAAAATTTTTCTTTGGGACTGTGTG	1193	
Db	863	CAAGAGAATTGGCTGTACAGATCTATGAGGAAGCCAGAAAATTTTCCATCCGATCTAGAG	922	
Qy	1194	TAAAGCTGTGTTATATATATATGGGGGAACCCAGCTGGGACATTCATTAATTCGACAAATAGTAC	1253	
Db	923	TTCTGCTCTGTGTAGTTTATGGTGGTGTCTGATATTTGTCAGCAGATTCGGGACTTAGAAC	982	
Qy	1254	AAGGCTGTATATATTATGTCTACTCTCTGGAAGACTGATGGATATCATAGGCCAAAGAAA	1313	
Db	983	GTGGATGCCACTTCTGTAGTACCCTCCAGGACGCTCTAGTGGATATGATGGAAGAGAA	1042	
Qy	1314	AGATTGGTCTCAACACAGATCAAAATCTTAGTTTGGATGAAGCTGATCGCATGTGGNATA	1373	
Db	1043	AGATTGGATTAGACTTCTGCAAGTACTTAGTGTGGATGAAGCTGATAGGATGCTGGATA	1100	
Qy	1374	TGGGTTTTGGTCCAGAAATGAAGAAGTTAATTTCTTGCCAGGAATGCCATCAAGGAAC	1433	
Db	1103	TGGGAATTTGAACCTCCAGATACGTGCTATAGTTTGAACAAGATCTATATGCCACCAAGGGCG	1166	
Qy	1434	AGCGCCAAACCTTATGTTCAGTGCACATTTTCCAGAGGAAATTCAAAGTTGGCTGCAG	1490	
Db	1163	TTCTGCACACCATGATGTTTAGTGTCTACTTTTCTCTAAGGAAATACAGATGCTTGTCTCGT	1222	
Qy	1494	AGTTTTTAAAGTCAAAATATCTGTTTGTCTGTTGGACAGTGGTGGACATGTAGAG	1555	
Db	1223	ACTTTTTCGATCAAA---TATATCTTTTGGCTGTAGGCAGATAGGCTCTACCTCTGAGA	1279	

1135 TCAGAAATTGGTCAACCCAGATTTATTTGGAAGCCAGAAAATTTCTTTTGGACTTGCT 1194
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361 TCAGAAATTGGTCAACCCAGATTTATTTGGAAGCCAGAAAATTTCTTTTGGACTTGCT 420
QY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1195 AAGAGCTGTGTTATATATATCGGGGAACCCAGCTGGGACATTCATTCGCACAATAGTACA 1254
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421 AAGAGCTGTGTTATATATATCGGGGAA-CCAGCTGGGACATTCAAATTCGACAATAGTACA 479
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1255 AGGCTGTAATATATTATGCTACT 1279
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
480 AGGCTGTAATATATTATGCTACT 504

RESULT 2
US-09-833-381-1475 2
; Sequence 1475, Application US/09833387
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1475
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-1475

Query Match 17.5%; Score 389.8; DB 4; Length 420;
Best Local Similarity 99.5%; Pred. No. 9.9e-104;
Matches 391; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 818 GACAAATACGACACTATTCCTTTGTGGAGTGCTCGCATGATGCCACCAGCAGATTCG 877
Db 28 GTCMAATACGACACTATTCCTTTGTGGAGTGCTCGCATGATGCCACCAGCAGATTCG 87
QY 878 ACTTTTGAAGAGCTAATCTCTGTCAGACACTGAATAACACATTGCTAAAGCTGGTTAT 937
Db 88 ACTTTTGAAGAGCTAATCTCTGTCAGACACTGAATAACACATTGCTAAAGCTGGTTAT 147
QY 938 ACTAAGCTTACTCTCTGTGCAAAAAATACAGTAGTTCTCTATCATCTGTCAGGACGAGATTG 997
Db 148 ACTAAGCTTACTCTCTGTGCAAAAAATACAGTAGTTCTCTATCATCTGTCAGGACGAGATTG 207
QY 998 ATGGCTGTGCTCAAACAGGGTCTGGGAAGACTCGGGCTTTCTCCCTACCAATTTTCGCT 1057
Db 208 ATGGCTGTGCTCAAACAGGGTCTGGGAAGACTCGGGCTTTCTCCCTACCAATTTTCGCT 267
QY 1058 CATATGATGATGAGGAAATTAATCTGCCAGTCTGTTTTAAAGAGTTGCAGAACCCAGAGTGT 1117
Db 268 CATATGATGATGAGGAAATTAATCTGCCAGTCTGTTTTAAAGAGTTGCAGAACCCAGAGTGT 327
QY 1118 ATTATTGTAGCACCAACTCGAGAATTGGTTCACACAGATTTATTGGAAAGCCAGAAAATTT 1177
Db 328 ATTATTGTAGCACCAACTCGAGAATTGGTTCACACAGATTTATTGGAAAGCCAGAAAATTT 387
QY 1178 TCTTTTGGAGCTGTGTAGAGCTGTGTGTATA 1210
Db 388 TCTTTTGGAGCTGTGTAGAGCTGTGTGTATA 420

RESULT 3
US-09-976-594-786
; Sequence 786, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael

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OM nucleic - nucleic search, using sw model

Run on: May 9, 2004, 15:44:13 ; Search time 167.964 Seconds
(without alignments)
7348.085 Million cell updates/sec

Title: US-09-714-865-1
Perfect score: 224
Sequence: 1 actgaagtcaccatggggg.....aagtctgtggtttgatgca 2224

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	493	22.2	504	US-09-621-976-2923	Sequence 2923, Ap
2	389.8	17.5	420	US-09-833-381-1475	Sequence 1475, Ap
3	386.4	17.4	2451	US-09-976-594-786	Sequence 786, App
4	383.2	17.2	2319	US-09-058-489-90	Sequence 90, Appl
5	383.2	17.2	4416	US-09-058-489-17	Sequence 17, Appl
6	369.4	16.6	3408	US-09-058-489-14	Sequence 14, Appl
7	369.4	16.6	5322	US-09-058-489-13	Sequence 13, Appl
8	158.2	7.1	2365	US-09-183-706-42	Sequence 42, Appl
9	129.4	5.8	1191	US-09-567-995-42	Sequence 42, Appl
10	129.4	5.8	1191	US-09-328-352-509	Sequence 509, App
11	129.4	5.8	3760	US-09-976-594-213	Sequence 213, App
12	127.6	5.7	1410	US-09-543-681A-1401	Sequence 1401, Ap
13	125.6	5.6	1830121	US-09-557-884-1	Sequence 1, Appli
14	125.6	5.6	1830121	US-09-643-980A-1	Sequence 1, Appli
15	123.6	5.6	1254	US-09-557-884-1	Sequence 894, App
16	123.6	5.6	1830121	US-09-643-980A-1	Sequence 1, Appli
17	123.6	5.6	1830121	US-09-557-884-1	Sequence 1, Appli
18	116.8	5.3	3320	US-09-702-705-318	Sequence 318, App
19	115.2	5.2	3347	US-09-702-705-318	Sequence 318, App
20	115.2	5.2	3347	US-09-736-457-318	Sequence 318, App
21	115.2	5.2	3347	US-09-614-124B-318	Sequence 318, App
22	115.2	5.2	3347	US-09-671-325-318	Sequence 318, App
23	115.2	5.2	3347	US-09-589-184-318	Sequence 318, App
24	115.2	5.2	3825	US-09-208-742-3	Sequence 3, Appli
25	113.4	5.1	1317	US-09-543-681A-195	Sequence 195, App
26	110.4	5.0	45613	US-09-596-002-22	Sequence 22, Appl
27	110	4.9	1941	US-09-328-352-1891	Sequence 1891, Ap

ALIGNMENTS

RESULT 1

US-09-621-976-2923

; Sequence 2923, Application US/09621976

; Patent No. 6639063

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.

; APPLICANT: Jobert, S.

; APPLICANT: Giordano, J.Y.

; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

; FILE REFERENCE: GENSET.054PR2

; CURRENT APPLICATION NUMBER: US/09/621,976

; CURRENT FILING DATE: 2000-07-21

; NUMBER OF SEQ ID NOS: 19335

; SOFTWARE: Patent.pm

; SEQ ID NO 2923

; LENGTH: 504

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 224..472

US-09-621-976-2923

Query Match	22.2%	Score 493;	DB 4;	Length 504;
Best Local Similarity	99.8%	Pred. No. 8.9e-134;		
Matches 504;	Conservative	0;	Mismatches	0;
			Indels	1;
Gaps	1;			
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Db	1	TGAGGACTCCATCTTTGCACATTATCAGACAGGCATAAACTTCGACAAATACGACACTAT	60	
Qy	835	TCTTGTGGAAGTCTTGGACATGATGCACACAGCAATTCGACATTTGAAGAAGCTAA	894	
Db	61	TCTTGTGGAAGTCTTGGACATGATGCACACAGCAATTCGACATTTGAAGAAGCTAA	120	
Qy	895	TCTCTGTGCAGACACTGAATAACCAACTTGTCTAAAGCTGGTTTACTAAGCTTACTCCTGT	954	
Db	121	TCTCTGTGCAGACACTGAATAACCAACTTGTCTAAAGCTGGTTTACTAAGCTTACTCCTGT	180	
Qy	955	GCAAAATACAGTATTCCTATCATCTATTCGACAGACAGATTTGATGGCTTGTGCTCAAC	1014	
Db	181	GCAAAATACAGTATTCCTATCATCTATTCGACAGACAGATTTGATGGCTTGTGCTCAAC	240	
Qy	1015	AGGCTCTGGAAGACTGGGGCTTTTCTCTACCAATTTTGGCTCATATGATGATGATGG	1074	
Db	241	AGGCTCTGGAAGACTGGGGCTTTTCTCTACCAATTTTGGCTCATATGATGATGATGG	300	
Qy	1075	AATAACTGCCAGTCGTTTTAAAGAGTTGACAGGAAACAGAGTGATTTATTGTAGCACAAC	1134	
Db	301	AATAACTGCCAGTCGTTTTAAAGAGTTGACAGGAAACAGAGTGATTTATTGTAGCACAAC	360	

Db 1723 CAAGAAGATTGTTGGATCTCTCTGTAGAGCTAAACAGAGAGTGCCTTCTTGTTGGAAA 1782

Qy 2031 AAATTCCTTTAGTACATACATTCCTGGCTTCAGTGGTAG 2070

Db 1783 ATATGGCTTATGAACACCACCTACAAGGGTGGCAGTCTGTG 1822

RESULT 5

US-09-058-489-17

Sequence 17, Application US/09058489

Patent No. 6103886

GENERAL INFORMATION:

APPLICANT: Whitehead Institute for Biomedical Research

APPLICANT: Labn, Bruce

APPLICANT: Page, David

TITLE OF INVENTION: Genes in the No. 6103886-Recombining Region of

FILE REFERENCES: the Y Chromosome

CURRENT APPLICATION NUMBER: US/09/058,489

CURRENT FILING DATE: 1998-04-10

EARLIER APPLICATION NUMBER: 60/041,877

EARLIER FILING DATE: 1997-04-11

NUMBER OF SEQ ID NOS: 91

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 17

LENGTH: 4416

TYPE: DNA

ORGANISM: Human

US-09-058-489-17

Query Match 17.2%; Score 383.2; DB 3; Length 4416;

Best Local Similarity 56.5%; Pred. No. 3; 2e-101; Indels 36; Gaps 4;

Matches 761; Conservative 0; Mismatches 503;

Qy 801 AGACAGGATCAAACTTCGACAAATACGACACTATTTCTGTGGAAGTCTCTGGACATGATG 860

Db 529 ACAGGGGATTAACCTTTGAGAAATATCATGATATACCACTAGAGGCAACCGGCGAGTAACT 588

Qy 861 CACACACAGCAATTCGACATTTTGAAGAGCTAATCTCTCGACACTCAATAACAACA 920

Db 589 GTCTCCACATATTTGAGAAATTTAGCGATATTTGATCGGAGAAATTTATCATGGGNAACA 648

Qy 921 TTGCTAAAGCTGGTTATCTACTAAGCTTACTCTCTGTGCAAAAATACAGTATTCCTATCATAC 980

Db 649 TTGAACCTACTCGCTACTACTCGCTACTCCAGTGCAAAAACATGCCATTCCTATTATTA 708

Qy 981 TTGCAGACGAGATTTGATGGCTTGCTCAACAGAGGCTCGGAGACACTGCGGCTTTTC 1040

Db 709 AGGAAAAAGAGACTTTAGTGGCTTGTGCCCAACAGGATCTGGGAAACCTGACGATTTTC 768

Qy 1041 TCCTACCAATTTTGGCTCA-----TATGATGCATGATG 1073

Db 769 TTTTACCCATCTGAGTCAGATATATACAGATGCTCCAGGAGAGCTTTGAAGGCTGTGA 828

Qy 1074 GAATPACTGCCAGTCGTTTTAAAGATTGCGAGAACAGAGTGATTATTGTAGCACAA 1133

Db 829 AGGAAAAATGGAAGGTATGGCGCGCCGCAACAAATATCCAATATCCTTGTTTAGCCCCAA 888

Qy 1134 CTCGAGAAATGGTCAACACAGATTTATTGGAAGCGCAGAAAATTTCTTTTGGGACTTTGTG 1193

Db 889 CAAAGAAATTTGGCTGTACAGATCTATGAGGAGCGCAGAAATTTTCTACCGATCTAGAG 948

Qy 1194 TAAGAGCTGTGTTATATATATGGGGGACCCAGCTGGGACATTCATTTGCAAAATAGTAC 1253

Db 949 TTCGTCCTGTGTAGTTTATGTGGTGTCTGATATTTGGTCAGCAGATTCGGGACTTTGAAC 1008

Qy 1254 AAGGCTGTAATATATTATGTCTACTCTCTGGAAGACTGATGGATATCATAGGCAAGAAA 1313

Db 1009 GTGGAATGCCACTTTGTAGTAGCCACTCCAGACGCTTAGTGTGATGATGATGAAAGAGAA 1068

Qy 1314 AGATTGGTCTCAACAGATCAAAATCTATTAGTTTGGATGAAGCTGATCGCATGTTGATA 1373

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RESULT 6
US-09-058-489-14
; Sequence 14, Application US/09058489
; Patent No. 6103886
; GENERAL INFORMATION:
; APPLICANT: Whitehead Institute for Biomedical Research
; APPLICANT: Lahn, Bruce
; APPLICANT: Page, David
; TITLE OF INVENTION: Genes in the No. 6103886-Recombining Region of
; TITLE OF INVENTION: the Y Chromosome
; FILE REFERENCE: WHI97-08PA
; CURRENT APPLICATION NUMBER: US/09/058,489
; CURRENT FILING DATE: 1998-04-10
; EARLIER APPLICATION NUMBER: 60/041,877
; EARLIER FILING DATE: 1997-04-11
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 3408
; TYPE: DNA
; ORGANISM: Human
US-09-058-489-14

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RESULT 6

US-09-058-489-14

; Sequence 14, Application US/09058489

; Patent No. 6103886

; GENERAL INFORMATION:

ADDICANT: 1-20-1994

APPLICANT: Dami, Bruce
APPLICANT: Page, David

TITLE OF INVENTION: Genes in the No. 6103886-Recombining Region of

; TITLE OF INVENTION: the Y Chromosome

; FILE REFERENCE: WHI97-08pa

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; CURRENT APPLICATION NUMBER: US/09/058,489
CURRENT FILING DATE: 1008 04 10

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CURRENT FILING DATE: 1998-04-10
 EXPIRED APPLICATION NUMBER: 60/041-877

EARLIER AFFIDAVIT NUMBER: 007-0110-01
EARLIER FILING DATE: 1997-04-11

NUMBER OF SEQ ID NOS: 91

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 14

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; LENGTH: 3408

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TYPE: DNA
ORIGIN: Human

ORGANISM: HUMANS
ITS-09-058-489-14

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2

Qy	1776	TTGGAAGTGCCAGATCTTTGTTGCTACTCTAGTAGCTGCCAGAGGGCTGGATATTGAA	1833
Db	2322	CAGGAAAAAGCCCAATTTTGTGGCTTACAGCAGTAGCAACAGAGACATTTTCAA	2381
Qy	1836	ATGTGCAACATGTTATCAATTTTGATCTTCTTACCATTGATGAATATGTTTCATCGAA	1895
Db	2382	ATGTGAAACATGTTATCAATTTTGATCTTCTTACCATTGATGAATATGTTTCATCGTA	2441
Qy	1896	TTGGGGCTACTGCTGTGGGAATPACTGGCAGAGCAATTCCTCTTTTGTATCTTGAT	1955
Db	2442	TTGGTGGTACGGACGCTGTAGGAAACCTTTGGCTGGCAACCTCATTTCTTTAA	2498
Qy	1956	CGGATACCAATTTAGCACAGCCTCTAGTAAAGTATTGACAGATGCTCAACAGGATGTTTC	2015
Db	2499	GGAACTAATAATATCTAAGATTGTTGGAATCTTCTTGTGAACTAAACAAGATGTC	2558
Qy	2016	CTCGATGGTTTGGAGAAATTCCTTTAGTACATACATTCCTGGCTTCAGTGGTAG	2070
Db	2559	CGTCTTGGTTAGAAACATGGCTTATGAACACCACTACAAGGGTAGCAGTCGTGG	2613
RESULT 7			
US-09-058-489-13			
; Sequence 13, Application US/09058489			
; Patent No. 6103886			
; GENERAL INFORMATION:			
; APPLICANT: Whitehead Institute for Biomedical Research			
; APPLICANT: Lahn, Bruce			
; APPLICANT: Page, David			
; TITLE OF INVENTION: Genes in the No. 6103886-Recombining Region of			
; TITLE OF INVENTION: the Y Chromosome			
; FILE REFERENCE: WH197-08pA			
; CURRENT APPLICATION NUMBER: US/09/058,489			
; CURRENT FILING DATE: 1998-04-10			
; EARLIER APPLICATION NUMBER: 60/041,877			
; EARLIER FILING DATE: 1997-04-11			
; NUMBER OF SEQ ID NOS: 91			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 13			
; LENGTH: 5322			
; TYPE: DNA			
; ORGANISM: Human			
US-09-058-489-13			
Query Match 16.6%; Score 369.4; DB 3; Length 5322;			
Best Local Similarity 57.6%; Pred. No. 3.8e-97;			
Matches 758; Conservative 0; Mismatches 521; Indels 36; Gaps 34			
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Db	1305	TCCTTTCTGGAGCAACACTGGGATTAATTTGAGAAATACGATGACATTCAGTTGAGG	1364
Qy	846	TGCTGCGCATGATGACCCACCGCAATTCGTACTTTTGAAGAGCTTAATCTCTGTGAGA	905
Db	1365	CAACAGGCAACAACGTGCTCCCAATATTGAAAGTTTCAGTGATGTTGAGATGGAGAAA	1424
Qy	906	CACGTGAATACACATTTGCTTAAGCTGGTTATCTAAGCTTACTCTGTGTCAAAAATACA	965
Db	1425	TTATCTGGGAAACATTTGAGCTTACTCGTTATCTACTCGCCCACTCCAGTGCAAAAGCATG	1484
Qy	966	GTATTCCTATCATACTTTCGAGGACGAGATTTGATGGCTTCTGCTCAACAGGGTCTGGGA	1025
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Qy	1075	-----AATAACTGCCAGTCGTTTTTAAAGAGTTGCGGCGCCCAACAATACCAATCTCTCT	1178
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Query Match	16.6%	Score 369.4	DB 3	Length 3408
Best Local Similarity	57.6%	Pred. No. 2.9e-571	Indels 36	Gaps 4
Matches 758	Conservative 0	Mismatch 521		
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846	TGTCGGAACATGATCACCACAGCAATTCAGCTTTTGAAGAGCTATCTCTGTCAGA	905		
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906	CACCTGAATAACCACTTGTCTAAAGCTGGTTATCTACTAAAGCTTACTCTCTGTCGCAAAAATCA	965		
1425	TTATCATGGGAAACATTTGAGCTTACTCGTTATCTCGCCCAATCCAGTGCCTAAAGCATG	1484		
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1545	AAACTGCAGCAATTTCTGTTGGCCATCTCGAGTCAGATTATTTCAGATGGTCCAGGCGAGG	1604		
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1179	CTTTTGGGACTTGTGTAAAGACGTTGTTATATATGCGGGAACCCAGCTGGGACATTCAA	1238		
1725	CATACCGATCTAGAGTCGTCCTTGGCGGGTTATGGTGGCGGATATTTGGTCACAGA	1784		
1239	TTCGACAAATPAGTACAAGGCTGTAATATATATATGTCTACTCTCTGGAAGACTGATGATA	1298		
1785	TTTCGAGACTTTGGAACGTGGATGCCAATTTGTTAGTAGCCACTCCAGGACGCTAGTGGATA	1844		
1299	TCATAGGCAAGAAAGATTTGGTCTCAACAGATCAAACTATTAGTTTGGATGAAGCTG	1358		
1845	TGATGAAGAGAGAAAGATTGGATTTAGACTTTTGGCAATATCTTGGTTGATTAGATCAAGCTG	1904		
1359	ATCGCATGTTGGATATGGGTTTTGGTCCGAAATGAAGAAGTTAAATTTCTGTCGCCAGGAA	1418		
1905	ATCCGATGTTGGATATGGGGTTTGAGCCTCAGATTGCTAGAAATAGTCGAACAGATACTA	1964		
1419	TGCATCTAAGGAACAGCGCCCAACCTTATGTTCTAGTGCAACTTTTCCAGAGGAAATTC	1478		
1965	TGCTCTCAAAAGGCTGTCGCGCACACTATGATGTTTGTAGTGTACTTTTCTTAAGAAATAC	2024		
1479	AAAGGTTGGCTCGAGAGTTTTTAAAGTCAAATATCTGTTTGTGTTTGGTGGACAAGTGG	1538		
2025	AGATGCTGGCTCGTGAATTTCTTAGTGA--TATATCTTCTTGGGCTGTAGGAAGAGTTG	2081		
1539	GTGGACATGTAGATGTTTCAGCAGACCGTTCTCCAGTTGGCCAGTTCTCTCAAAAGAG	1598		
2082	GCTCTACTCTGAAGAACATCACACAGAAAGTAGTTTGGGTGGAGAGATCAGACAAACGGT	2141		
1599	AAAAGCTCGTTGAAATTTCTCGCAACATAGG---GGATGAAGAACTATCGGTCTTTGTTG	1655		
2142	CAATTTCTGCTTGACCTCCTAAATGCAACAGCGAAGGATTCAGTCACCTTAGTGTGTTGG	2201		
1656	AAACTAAGAAAAAGACGATTTTACTGCAACTTTTCTTCTGCAAGAAAAATATCAACTA	1715		
2202	AGACCAAAAAGGTCAGATTTCTCTGAGAGATTTCTTATACCATGAAGGATACGCATGTA	2261		
1716	CAAGTATCCATGTGATCGGGAACAGAGAGCGGGAGCAAGCTCTTTGGAGATTTTCGCT	1775		
2262	CCAGATCTCATGGAGACCGTTCTCAGAGGATAGAGAAAGGCGCTTACACAGTTCCGCT	2321		

1665 TGCTATAGCAACCAAGAGAGTGGCAGTACAGATCTACGAGAACCCAGAAATTTT 1724
1179 CTTTGGGACCTGTGTAAGAGCTGTGTATATATGGGGAAACCCAGCTGGGACATTC 1238
1725 CATACCATCTAGAGTTCGCTTGGCTGTGTATGTTGTTGCTGCGATATGGTACAG 1784
1239 TCCGACAAATAGTACAGGCTGTAAATATATATGCTCTCTCTGGAAGCTGATGATA 1298
1785 TCCGAGACTTGGAACTGGATGCCATTTGTTAGTAGCCCTCCAGGACGCTAGTGATA 1844
1299 TCATAGCAAGAAAGATTTGGCTCTCAACAGATCAATATCTTTAGTTGGATGAGCTG 1358
1845 TGATGGAAGAGGAAGATTTGGATAGACTTTTGCATATCTTTGCTGTTAGATGAAGCTG 1904
1359 ATCCGATGTTGGATATGGCTTTTGGCTCCAGAAATGAAGAGTAAATTTCTTCCAGGAA 1418
1905 ATCCGATGTTGGATATGGCTTTGAGCTCCAGATCTAGATCTGAGATAGTCCAGACGATACTA 1964
1419 TGCCATCAAGGAAACAGGCGCAACCCCTTATGTTCTAGTCACTTTTCCAGAGGAATTC 1478
1965 TGCTCCAAAGGCTGTCGCGCACACTATGATGTTTGTAGTCTACTTTTCTTAAGGAAATAC 2024
1479 AAGGTTGGCTGCAGAGTTTTAAAGTCAATATCTGTTGTTGCTGTTGGCAAGTGG 1538
2025 AGATGCTGCTCGTATTTCTTAGATGAA---TATATCTTCTTGGCTGTAGGAGAGTTG 2081
1539 GTGGAGCATGTAGAGATGTTTACGAGACCGTTCTCCAAAGTGGCCAGTCTTCAAAAGAG 1598
2082 GCTCTACTCTGAAACATCACACAGAAAGTAGTTTGGTGGAGAAATCAGACAAACGGT 2141
1599 AAGAGCTGTTGAAATTTCTCGGAAACATAG---GGATGAAGACATCTAGTCTTGTG 1655
2142 CATTTCTGCTGCTCTCTAAATGCAACAGCAAGGATCTACTGACCTTGTAGTGTG 2201
1656 AAACTAAGAAAAAGCAGATTTTACTGCACTTTCTTCTCAAGAAAAATATCAACTA 1715
2202 AGACCAAAAGGCTGCAGATTTCTCTGGAGGATTTCTTATACCATGAGGATACGATGA 2261
1716 CAAGTATCCATGTTGCTGGGAAACAGAGAGAGCGGAGCAAGCTCTTGGAGATTTGCT 1775
2262 CCAGCATCCATGGAGACCGTTCTCAGAGGGATAGAGAGAGCGCCCTTCCAGCTCCGCT 2321
1776 TTGGAAGTGCACAGTCTTCTGCTGCTACTTCACTAGTCTGAGAGGCTGGATATGAAA 1835
2322 CAGGAAAGGCCAATTTAGTGGCTACGACGATAGCAGCAAGGACTGACATTTCAA 2381
1836 ATGTGCAACATGTTATCAATTTGATCTTCTTCTACCATTTGATGAATATGTTCAATGAA 1895
2382 ATGTGAAACATGTTATCAATTTGACCTTGGCAAGTGAATTTGAGAAATATGATACATGTA 2441
1896 TTGGCGTACTGCTGCTGCTGGAAATCTGCGAGCAATTTCTCTTTTGTGATCTTGAAT 1955
2442 TTGGTGTACGGAGCTGTAGAAACCTTGGCTGGCAACCTCATCTTTAA---CGAGA 2498
1956 CGGATAACCATTTAGCAGCGCTCTAGTAAAGTATTGACAGATGCTCAACAGATGTTTC 2015
2499 GGAACATAAATATTACTAAGGATTTGTTGGATCTTCTTGTGAGCTTAAACAAAGAGTGC 2558
2016 CTGCACTGTTGGAGAAATTTGCTTTAGTACATATCTTCTGCTGCTCAGTGGTAG 2070
2559 CGCTTGTGTAGAAACATGCTCTTATGAAACCCACTACAGGGTAGCAGTCTGTTG 2613

RESULT 8
US-09-183-706-42
; Sequence 42, Application US/09183706
; Patent No. 6245525
; GENERAL INFORMATION:
; APPLICANT: Martelange, Valrie
; APPLICANT: De Smet, Charles
; APPLICANT: Boon-Falleur, Thierry
; TITLE OF INVENTION: TUMOR ASSOCIATED NUCLEIC ACIDS AND USES THEREFOR

FILE REFERENCE: L0461/7054
CURRENT APPLICATION NUMBER: US/09/183,706
CURRENT FILING DATE: 1998-10-30
EARLIER APPLICATION NUMBER: 09/122,989
EARLIER FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 43
SEQ ID NO 42
LENGTH: 2365
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (208)... (2151)
US-09-183-706-42

Query Match
Best Local Similarity 7.1%; Score 158.2; DB 3; Length 2365;
Matches 518; Predicted No. 9.2e-36;
Mismatches 0; Conservative Indels 27; Gaps 4;

QY 915 ACAACATTGCTAAAGCTGGTTATCTACTTCTCTGTCGCAAAAATACAGTATTTCTTA 974
DB 971 AAAACATTAAAGGCGAGGTTTCAAAGCCCAACCTATTCAGTCACAGGCATGGGCCA 1030
QY 975 TCATACCTGCAAGGACGAGATTGATGGCTTGTCTCAAAACAGGCTCTGGGAAGACTCGG 1034
DB 1031 TTGTTTCCAGGATAGATCTTATAGGAGTAGCCGACTGGAACAGGAAGACATTTGT 1090
QY 1035 CTTTTCCTCAACCAATTTTGGCTCATATGATGATGATGATGATGATGATGATGATGAT 1094
DB 1091 GTTATTTAATGCTGGATTTTATCTCTGCTCTTCTTCAAC-----CCAGCCTTAAAG 1141
QY 1095 AAGAGTTCCAGGAACCCAGGAGTATTATTTAGCACCAATCTCGAGAAATTTGTCACAC 1154
DB 1142 GTCAAGGAATAGACCCCGCATGTTAGTTCTTAACTCCACTCCGGAATTAGCACTTCA 1201
QY 1155 TTTATTTGGAACCCAGAAAAATTTCTTTTGGGAGCTGTGTGAAGAGCTGTTGTTATATG 1214
DB 1202 TAGAAGGAGATGTTGCAATATTTCAAT---AAAGGCTCTCGGAGTGTGTTGTATATG 1258
QY 1215 GGGGAACCCAGCTGGGACATTTCAATTCGACAAATAGTACAAAGGCTGTAAATATATG 1274
DB 1259 GTGGTGAATATAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1318
QY 1275 CTACTCTCGGAGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1334
DB 1319 CAACCTCCGGAAGATTGAATGATCTGCAATGATGATGATGATGATGATGATGATGAT 1378
QY 1335 AATACCTTATTTTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1394
DB 1379 CCTACTTGTGTTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1438
QY 1395 AGAAGTTAAATTTCTTCCCGGAGGATGCCATCAAGGAAACAGCGCCAAACCCCTTATG 1454
DB 1439 TGAAGATTTGT-----TAGATGTGCGCCAGATAGGACAGATGATGACCA 1486
QY 1455 GTGCAACTTTTCCAGAGGAATTTCAAGGTTGGCTGAGAGTGTGTTT---AAAGTCAAT 1511
DB 1487 GTGCTACATGCGCTCATTTCACTTCCTGCGCAATCTTATTTGAAGAACCAATGA 1546
QY 1512 ATCTGTTTGTGCTGTTGGACAGAGTGGGAGGATGATGATGATGATGATGATGATGATG 1571
DB 1547 TTGTTCTGTTGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1606
QY 1572 TCCAAAGTGGCAGTTCTCAAAAAGAGAAAGCTGTTGAAATTTCTGGAACACATAGGG 1631
DB 1607 TAACCCAGGAGGAGAAATGGAGTACATGCAAACTTTTCTACAGAGTATGTCATCCA 1666
QY 1632 ATGAAAGAACTATGCTTCTTTGTTGAAATTAAGAAAAAGAGAGATTTTACTGCAAT 1691
DB 1667 CAGACAAAGTCAATGCTTCTGTTTCTCGAAAGCTGTTGCGGATCACTTATCAAGTACC 1726
QY 1692 TTTGTCAAGAAAAAATATCAACTACAGTATCCATGATGATGATGATGATGATGATGATG 1751

Db 1727 TAATACCTTGGAAATATATCAGTAGAGTCTCTGCATGGAGATAGAGAACAGAGAGATCGGG 1786
Qy 1752 AGCAAGCTCTTGGAGATTTTCGTTTGGAAAGTCCAGTCTTCTTGTCTACTTCACTAG 1811
Db 1787 AGAAGACATATAGAGAACTTTAAACAGGCAAGTGAAGATACTAATTCGAACCTGATCTAG 1846
Qy 1812 CTGCGAGAGGCTGATATTTGAAATGTGCAACATGTTATCAATTTTGTATCTTCTCTTA 1871
Db 1847 CCTCTAGAGGACTTGTATGTCATGACGTTACACATGCTATAATTTTGTACCTTCCACGA 1906
Qy 1872 CAAATTCCTCTTTT 1944
Db 1967 CCAATTAACACTTT 1979

RESULT 9

US-09-567-995-42
; Sequence 42, Application US/09567995
; Patent No. 6303756
; GENERAL INFORMATION:
; APPLICANT: Martelange, Val,rie
; APPLICANT: De Smet, Charles
; APPLICANT: Boon-Falleur, Thierry
; TITLE OF INVENTION: TUMOR ASSOCIATED NUCLEIC ACIDS AND USES THEREFOR
; FILE REFERENCE: L0461/7054
; CURRENT APPLICATION NUMBER: US/09/567,995
; PRIOR FILING DATE: 2000-05-10
; PRIOR APPLICATION NUMBER: 09/183,706
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 43
; SEQ ID NO 42
; LENGTH: 2365
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (208)... (2151)
US-09-567-995-42

Query Match 7.1%; Score 158.2; DB 4; Length 2365;
Best Local Similarity 50.1%; Pred. No. 9.2e-36;
Matches 518; Conservative 0; Mismatches 488; Indels 27; Gaps 4;

Qy 915 ACAACATGCTAAAGCTGGTTATCTAAGCTTACTCTCTGTGCAAAAATACAGTATCTTA 974
Db 971 AAAACATTAAGAAGCAGCTTTTCAAAAGCCAAACACCTATTTCAGTCACAGGCATGGCCCA 1030
Qy 975 TCATACTTCAGGACGAGATTTGATGGCTTGTCTCAACAGGCTCTGGAGACTGGG 1034
Db 1031 TTGTCTTCAAGGAATAGATCTTATAGAGTAGCCAGACTGGAAACAGAAAGACATTTG 1090
Qy 1035 CTTTTCTCTACCAATTTTGGCTCATATGATGATGATGAATAACTGCCAGTCTGTTTA 1094
Db 1091 GTTATTTAATGCTGGATTTATTCATCTGGTCTTCAAC-----CCAGCCTTAAG 1141
Qy 1095 AAGATTCAGGAACACAGTGTTATTTAGTACCAACTCGAGAAATGTCACACGA 1154
Db 1142 GTCAAGGAATAGACCCGCGATTTAGTTCTTAACCTCCACCTCGGGAATAGCACTCAAG 1201
Qy 1155 TTTATTTGAGCCAGAAATTTCTTTTGGACTTGTGTAGAGCTGTTCTGTATATATG 1214
Db 1202 TAGAGGAGATTTGCAATATTCATAT--AAAGGCTTCGGAGTGTGTGTATATG 1258
Qy 1215 GGGGAACCCAGCTGGGACATTCATCAATTCGACAAATAGTACAAGGCTGTAAATATATGTG 1274
Db 1259 GTGTGGAAATAGAGATGAACAAATAGAGAGCTTAAAGAGGTGTAGATATCATATTTG 1318
Qy 1275 CTACTCTCGAGACTGTGATATCATAGGCAAGAAAGATTGGTCTCTCAACAGATCA 1334

Db 1319 CAACTCCCGAAGATTGAATGATCTGCAAAATGAGTAACCTTCATCTGAAGAAATATAA 1378
Qy 1335 ATACTATTGTTTGGATGAGCTGATCGCATGTTGGATATGGTCTTGTCCAGAAATCA 1394
Db 1379 CTTACTTGTGTTTAGATGAAGCAGACAAGATGTTGGACATGGATTTGAACCCAGATAA 1438
Qy 1395 AGAAGTTAAATTTCTCCCGCAGGAATGCCATCAAGAGGAACAGCCCAAAACCTTATGTTCA 1454
Db 1439 TGAAGATTTTGT-----TAGATGTGGCCCGCAGATAGGCAGACAGTATGACCA 1486
Qy 1455 GTCCAACTTTTCAGAGGAATTCAAAGTGTGGCTGCAGAGTTTTT---AAAGTCAAAAT 1511
Db 1487 GTCTCATATGGCCTCATTCAGTTTCATCGCCTCGCACAATCTTATTTGAAGAACCAATGA 1546
Qy 1512 ATCTGTTTGTGTTGGACCAAGTGGTGGAGCATGTAGAGATGTTTCAGCAGACCGCTTC 1571
Db 1547 TTGCTATGTTGGTACATTTGGATCTAGTTGCTGTAGTTTCAGTGAAGCAAAATATAATTG 1606
Qy 1572 TCCAAGTTGCCAGTTCTCAAAAAGAGAAAAGCTGTTGAAATTCGCGAACAATAGGGG 1631
Db 1607 TAAACCCAGGAGGAAGAAATGGAGTCAATGCAAACTTTTCTACAGAGTATGTCTATCCA 1666
Qy 1632 ATGAAAGAACTATGCTCTTTGTTGAAACTTAAGAAAAAGCAGATTTTACTGCAACTTTTC 1691
Db 1667 CAGCAAAAGTCAATGCTCTGTTTCTCGAAAAGCTGTTGGGATCACTTATCAAGTGACC 1726
Qy 1692 TTTGTCAAGAAAAATATCAACTACAGTATCATGATGATCGGATCGGCAACAGAGAGCGGG 1751
Db 1727 TAATACTTGGAAATATATCAGTAGACTCTCTGATCGAGATAGAGAACAGAGAGATCGGG 1786
Qy 1752 AGCAAGCTCTTGGAGATTTTGGCTTGGAAAGTGGCCAGTCTTGTGTTGCTACTTCAGTAG 1811
Db 1787 AGAAGCATTAGAGAACTTTTAAACAGGCAAGGTGAGAAATCTAATTTGCAACTGATCTAG 1846
Qy 1812 CTGCCAGAGGGCTGATATTGAAATGTGCAACATGTTATCAATTTTGTATCTTCTCTTA 1871
Db 1847 CCTTAGAGGACTTGTATGTCCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1906
Qy 1872 CATTGAT 1931
Db 1907 ATATTGAAGAAATAGCTACACCGGAATAGGCGGCAACGGAAGAGACGAGGAGGACTGGTGT 1966
Qy 1932 CAATTTCTCTTTT 1944
Db 1967 CCAATTAACACTTT 1979

RESULT 10

US-09-328-352-509
; Sequence 509, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 509
; LENGTH: 1191
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-509

Query Match 5.8%; Score 129.4; DB 4; Length 1191;
Best Local Similarity 47.8%; Pred. No. 1.6e-27;
Matches 521; Conservative 0; Mismatches 556; Indels 18; Gaps 4;
Qy 880 TTTTGAAGAGCTAATCTCTGTGAGACACTGATTAACAACATTTGCTAAAGCTGGTTATAC 939
Db 51 TTTTGAACCTTGAATTTACATCCGCAACTTAAAGGGCGATTGATGCTTTAGGGTTTAC 110

940 TAACTTACTCTCTGTCACAAATACAGTATCTCTATCATATCTGAGGACGAGATTTGAT 999
111 TCAATGACCCCAATTCAGCAAAAGGTTTTAAATATATATATGACGGGCAATGACAT 170
1000 GGCTTGTCTCAACAGAGGCTCTGGAGAGCTCGGCTTTTCTCTACCAATTTGGCTCA 1059
171 TGGGCGAGACACAGACAGGACAGGTAAGACTGCTGCTTTCTGATAGTAAATTAATGA 230
1060 TATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1119
231 TTTTGTCTCAATTAATCCGGTTCAGAGACAGCTTCCTGGT-----GAGCTTGGCTTT 284
1120 TATTGTAGACCACTCGAATTTGGTCTACCAAGATTTATTTGGAGCCAGAAAAATTTTC 1179
285 AATCTTAGCACCTACTCGTGAGTGGATTGCAATGCAATTTGAAGTGAATGCAATCTCTAC 344
1180 TTTTGGGACTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1239
345 AAAATTTTCTAATTTACCTAGTACGCTATTAGGTGGTGGTGGTGGTGGTGGTGGTGGT 404
1240 TCGACAAATAGTACAAAGGCTGT---AATATATTATGATGATGATGATGATGATGATGATGAT 1296
405 GAAGCAACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 464
1297 TATCATAGGCAAGAAAGATTTGGTCTCAACAGATCAATATCTTATGATGATGATGATGATGAT 1356
465 TTTTGTAGAACAAAGAAAGATTTGGTCTCGATCAATTTGAATTTTATGATGATGATGATGAT 524
1357 TGATCGCATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1416
525 TGACCGTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 582
1417 AATGCCATCAAGAAAGACAGCCCAACCTTTATGTTGATGATGATGATGATGATGATGATGAT 1476
583 ---CCACGTAAGCAACAGCTCAACCTTTAATGTTCTCTGCAACATTTAGTATGATGAT 638
1477 TCAAGGTTGGTCTGAGATTTTAAAGTCAATTTATGTTGTTGTTGTTGTTGTTGTTGTTGTT 1536
639 CTTGAATCTGGCAGACAGTGGTGA---TTTGAACAGTAACTGTTGAAATTTGAACCTGA 695
1537 GGGTGGAGCATGTAGAGATGTTTCAAGACAGCTTCTCAAGTTGGCCAGTCTCTCAAAAG 1596
696 ACAAAGACCAATAATGATGTCGAACAACTGTTTACGTTTGGCTTAAACAGATAAATA 755
1597 AGAAAGCTGTTGAAATTTCTGGAACATAGGGGATGAAGCACTATGTTCTTCTGTTGA 1656
756 TCGTCTTTTCAAGATATTTTACGTGAAGACCAATTTGATAAAGTTATGATCTTTGCCAA 815
1657 AACTAAGAAAAAGCAGATTTTACTGCAACTTTTCTTTTCTCAAGAAAAAATATCAACTAC 1716
816 TCGCCGTGATCAGTACGTCTGTTTATGACCAATTTGAAAAAGATGGATATAAAGTGG 875
1717 AAGTATCCATGATCGGAAACAGAGAGACGGGACAGCTCTTGGAGATTTTCTGCTT 1776
876 GATGCTATCTGGTGAATTTGCTCAAGATTAACCTTTTAAATTTTATAGCAGTAAAGCA 935
1777 TGGAAAGTGGCCAGTCTTGTGTTGCTACTTCAAGTACTGTCAGAGGGCTGATATGAAAA 1836
936 AGGCAACATAAACATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 995
1837 TGTCAACATGATTAATTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1896
996 TGTATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1055
1897 TGGCGTACTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1956
1056 TGGTCTGATAGTCTGTCAGGGGCAAGGTGATGATGATGATGATGATGATGATGATGATGATGAT 1115
1957 GGATAACCATTTAGC 1971
1116 TGCCTTCTATTACC 1130

RESULT 11
US-09-976-594-213
; Sequence 213, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROID
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 213
; LENGTH: 3760
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 2173757CB1
US-09-976-594-213

Query Match 5.8%; Score 129; DB 4; Length 3760;
Best Local Similarity 48.4%; Pred. No. 3.9e-27; Indels 39; Gaps 5;
Matches 539; Conservative 0; Mismatches 535;
QY 844 AGTGTCTGGACATGATGACACCCAGCAATTTCTGACATTTTGAAGAACTAATCTCTCTCA 903
DB 1236 AGTTAAAGGAAAAGTTTGGCCCAACCAATTAATCTCGGTCCAGTGTGGAAATTTCCAT 1295
QY 904 GACACTGANTAAACAACTTGTCTAAGCTGGTTATCTAAGCTTACTCTCTGTCGAAAAATA 963
DB 1296 GAAGATCTTAAATTTCCCTCAAGAACGATGGCTATGAAAGCCCAACGCCCATCCAAACCCA 1355
QY 964 CAGTATTCCTATCATCTCTGAGACGAGATTTGATGGCTTTGCTCAAAACAGGCTCTGG 1023
DB 1356 AGCTATTCCTGCTATATGCTGAGCAGATTTGATGGCATTTGCCAAACAGGAGCTGG 1415
QY 1024 GAAGACTGGGCTTTCTCTCAACATTTTGGCTCATATGATGATGATGATGATGATGATGATGAT 1083
DB 1416 AAAGACCAATCTCTTCTGTTGCCCATGTTTAGACACATCATGGATCA----- 1463
QY 1084 CAGTCGTTTTAAAGAGTTTGCAGGAACAGAGTGTATTATTGTAGCAACCACTCGAGAAAT 1143
DB 1464 GAGTCAATTAGAGGAGAGAGGGGCCAATAGCTGTCTCATCATGACTCCAACTCGAGAACT 1523
QY 1144 GGTCAACAGATTTTATTTGGAGCCAGAAAAATTTTCTTTTGGGACTTGTGTGAAGAGCTGT 1203
DB 1524 GGCCTTACAGATTTACTAAAGAGTGTAAAGAGTTTTTCCAAAGACTTTGGGACTTTAGAGTGT 1583
QY 1204 TGTATATATGGGGAACCCAGCTGGGACATTTCAATTCGCAAAATAGTACAGGCTGTAA 1263
DB 1584 CTGTGTTTACGGAGAACAGGAATCAGTGACAGATTTGCTGAGCTGAAAGAGAGTGTCTGA 1643
QY 1264 TATATTATGCTACTCTCTGGAAGACTGATGGATATCATAGGCAAGAAAAAGATTTGGTCT 1323
DB 1644 AATTATCTTTTGCACACCTGCTCGAATGATGATGATGATGATGATGATGATGATGATGATGAT 1703
QY 1324 CAAACAGATC-----AAATCTAGTTTGGATGAGAGCTGATCGCATGTTGGATAT 1374
DB 1704 CACAAATCTTGAAGAGTGCATATGTTGTTTATAGTGAAGACAGACAGAAATGTTTTCAT 1763
QY 1375 GGGTTTTGCTCAGAAAAATGAAGAGTTAAATTTCTTTCGCCAGGAATGCCATCAAGAGAAACA 1434
DB 1764 GGGTTTTGAAACCCAGGCTCATGCCATCGTGGATAATGTTCTGT-----CCTGA 1811
QY 1435 GGGCCAAACCCCTTATGTTCACTGCAACCTTTTCCAGAGGAAATTAAGGTTGGCTGCAGA 1494
DB 1812 TCGACAGACGGTTATGTTTTCAGCTACTTTCCCGAGAGCTATGGAGGCTTTGGCTCGCAG 1871
QY 1495 GTTTTTAAAGTCAAAATTTATCTGTTTGTGCTGTTTGGCAAGAGTGGGTGGAGCATGTAGAGA 1554

Db 1872 GATCCTCA---GTAACCTATTGAAGTACAAAGTTGGAGCGAGGAGTGTGTTTCTCAGA 1928
Qy 1555 TGTTGAGCAGACCGTTCTCCAGTTGGCCAGTTCTCAAAAAGAGAAAGCTCGTTGAAAT 1614
Db 1929 TGTGAGCAACAGAGTATGATTTGAAGAAGAAAGAAATCTTGAAGTTACTTGAGCT 1988
Qy 1615 TCTGCGAAACATPAGGGATGAAGAAGCT---ATGGCTCTTTGTTGAAACTAAGAAAAGC 1671
Db 1989 TCTAGGCCATTATCAAGAGTCAAGATCTGTCAATTATTTTGTGATAGCAGGAACATGC 2048
Qy 1672 AGATTTTACTGCACTTTCTTTGTCAGAAAATAATCAACTCAAGTATCCATGGTGA 1731
Db 2049 TGATGGTCTCTTTAAGATTTTAATGAGAGCATCTTATCCCTTGCAATGCTCTTCAAGAGG 2108
Qy 1732 TCGGAAACAGAGAGCGGAGCAAGCTCTTGGAGATTTTGGCTTTGAAAGTCCCAAGT 1791
Db 2109 CATTTGATCAATATGACAGAGATAGCATCATTAATGACITTAAGATGGACCTGCAACT 2168
Qy 1792 TCTTGTGTACTCTGATAGTCTGACAGAGGCTGATATTTGAATGTGCAACATGTTAT 1851
Db 2169 TCTTGTGGTACTCTCTGTGCTGCGGAGGCTAGATGTGAACATCTGATTTCTTGTAGT 2228
Qy 1852 CAATTTTGTATCTCTCTTACCATTTGATGAATATGTTCAATGTTGGGCGTACTGTGTCG 1911
Db 2229 AATATTATAGTCTCCCAACCATATATGAGGATTTATGACAGAGCAGGCGGAGCTGGAAG 2288
Qy 1912 TTGTGGGAATATGCGCAGAGCAATTTCCPTTTT 1944
Db 2289 AGCAGGAACAAGGGTTATGCTTATACITTTAT 2321

RESULT 12

US-09-543-681A-1401
; Sequence 1401, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 1401
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Proteus mirabilis
US-09-543-681A-1401

Query Match 5.7%; Score 127.6; DB 4; Length 1410;
Best Local Similarity 47.1%; Pred. No. 5.8e-27;
Matches 514; Conservative 0; Mismatches 554; Indels 24; Gaps 3;
Qy 880 TTTTGAAGAGCTAATCTCTGTGACACACTGAATACAAACATTTGCTTAAAGCTGGTTATAC 939
Db 21 TTTTACATCGCTTGGTTTAAAGTGGCGCTTCTCGCGCTATTGATGAACAAGGGTATAA 80
Qy 940 TAAGCTTACTCTGTCGAAAATAACAGATTTCTATCATACTTGCAGGACGAGTTGAT 999
Db 81 AACCCCAACCCCTATTCAACACAGCGGATTTAGCCGATTTTGGCGGGTAAGACGTATT 140
Qy 1000 GGGTTGTCTCAACAGGGTCTGGGAAGACTGGGGCTTTTCTCTACCAATTTTGGCTCA 1059
Db 141 AGCAAGTGCAACAGGGTACGGGAAAGCGGCGATTTACATTACCGATACCTGGAATA 200
Qy 1060 TATGATGCATGATGAATAACTGCGAGTCTGTTTAAAGAGTTGTCAGGAACCGAGTGAT 1119
Db 201 ACTC-----GCTACATCAGCAGAGAAAACGAAGGGCGTAAAGCCAGTTTAAAGCGCT 251
Qy 1120 TATTGTAGCACCAACTCGAGAAATGGTCAACAGATTTATTGGAAGCCAGAAAATTTTC 1179

Db 252 TATTTTAAACCCCTACACGGAATTAGTGCAAAATTTGCCGATAACATATAAGCTTATAG 311
Qy 1180 TTTTGGGACTTTGTGTAAGAGCTGTTGTTATATATATGGGGAAACCCAGCTGGGACATTCAT 1239
Db 312 TCGTTATTACCTATTTCGTTTCATTTGTGTTGTTTGGTGGCGTTAGTATCAATCCTCAAT 371
Qy 1240 TCGACAAATAGTACAGGCTGTAAATATATATTTGTCTACTCTCTGGAAGACTGATGATAT 1299
Db 372 GATGAACATACAGAGTGGCGTGTGATTTGATTTGCAACACCGGGCGCTTACTTGATCT 431
Qy 1300 CATAGCAAGAAAAGATTGGTCTCAAAACAGATCAAAATACTTTAGTTTTCGATGAAGCTGA 1359
Db 432 TGAACATCAAAATGCTGTGCACTTATCTCGCGTTGAAGTATTGGTGTAGATGAAGCTGA 491
Qy 1360 TCCATGTTGGATATCGGTTTGGTCCGAAATGAAGAGTTAAATTTCTTGGCCAGGAT 1419
Db 492 TCGTATGTAGATATGGGATTTATTATGATA-----TTCTGCGAGTCACTAA 539
Qy 1420 GCCATCAAGGAACAGCGGCAACCCCTTATGTTGTCAGTCAACATTTTCCAGAGGAAATTC 1479
Db 540 TAAGTTACCGAAAACGACAAATTTACTTTTTCAGGACCTTTTCAAAGAGATAAC 599
Qy 1480 AAGGTTGGCTGACAGGTTTTTAAAGTCAAAATTAATCTGTTTGTGCTGTTGGCAAGTGG 1539
Db 600 AGGGCT---TGCTAACTCACTACTCAACAAATCTATAAGTATTGCTGTTGCCCAAAAA 656
Qy 1540 TGGAGCATGTAGAGATGTTTCAGCAGACCGTTCTCCAAGTTGGCCAGTTCTCAAAAAGAG 1599
Db 657 CTCAGCGGCTGAATCTGTTGATCAATATGTCATTTAGTGATTAAGAAAGGTTAAGACAGA 716
Qy 1600 AAAGCTCGTTGAAAATCTGCGAAACATPAGGGGATGAAGAACTATGCTCTTTGTTGAAAC 1659
Db 717 GCTGTTATCACACTTAATTTGTTCTAGAAAATTTGGCCTCAAGTTCTTTTACTCGAAC 776
Qy 1660 TAGAAAAAAGCAGATTTTACTGCAACTTTTCTTGTCAAGAAAAATATCAACTACAAG 1719
Db 777 TAAACATGGTGGCAATAAATTTAGCTGAACATCTTAATTTAGATGGCATCAATCAGCGGC 836
Qy 1720 TATCCATGGTGATCGGGAACAGAGAGCGGAGCAAGCTCTTGGAGATTTTCGTTTGG 1779
Db 837 GATCCATGGTAATAAAGCCAGAGCTAGAACACGTCTTTAGCTGATTTTAAAGACGG 896
Qy 1780 AAGTGGCCAGTCTTGTGCTACTTCACTAGTGTGCGCAGAGGCTGATTTGAAAATGT 1839
Db 897 TAAATTAAGACGTTAGTTGCCACTGATATTGACGGCGGGGACTTGATATTGACCAACT 956
Qy 1840 GCAACATGTTATCAATTTTGTGATCTTCTTCTACCATTTGATGATATGTTTCATCGAATTGG 1899
Db 957 TCTTATGTGGTCAACTTTGAAATTTACCGAGGTAGCAGAGATTAAGTATCGTTCAATGTTGG 1016
Qy 1900 GCGTACTGCTGTTTGGGAATATCTGCGCAGAGCAATTTCCCTTTTGTGATCTTGAATCGGA 1959
Db 1017 TCGAACAGGGCGTGGCGGCAACAGGTAAAGCGATATCTTTAGTTTGTGTTGATGAACA 1076
Qy 1960 TAACCATTTAGC 1971
Db 1077 TGGCTTTATAGC 1088

RESULT 13

US-09-557-884-1/c
; Sequence 1, Application US/09557884
; Patent No. 6506581
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue

REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: FBI86P1C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-610-5790
TELEFAX: 310-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1

Query Match 5.6%; Score 125.6; DB 4; Length 1830121;
Best Local Similarity 47.3%; Pred. NO. 1.3e-24;
Matches 506; Conservative 0; Mismatches 534; Indels 30; Gaps 3;
QY 881 TTTGAAGAGCTAATCTCTGTCAGACACTGAATAACACATTCGTAAGCTGGTTATCT 940
DB 444736 TTTGAAGAGCTAATCTCTGTCAGACACTGAATAACACATTCGTAAGCTGGTTATCT 444677
QY 941 AAGCTTACTCTGTCGCAAAATACAGTATTCCTATCATCTATCTGTCAGGACGAGATTCGATG 1000
DB 444676 CGCCCAACAGCTATTCAATGAAGACCACTTCCTGCGCAATGGAAGAGAGTGTATTA 444617
QY 1001 GCTTGTGCTCAACACAGGCTCGGGAAGACTGGGCTTTTCTCTACCAATTTTGGCTCAT 1060
DB 444616 GCTCGGACCAACCGGGAACAGGGAATCTGCTCTTTTATACCTGCGCTACACAT 444557
QY 1061 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1120
DB 444556 TTATGGATTATCCAGCGCGTAACACAGGCGC-----ACCACGTTATTTG 444512
QY 1121 ATTGTAGACCACTCGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1180
DB 444511 GTATTAAACCAACCGCGTAACAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 444452
QY 1181 TTGGGACTTGTGAAGAGCTGTTGTTATATATATGAGGGAACCCAGCTGGGACATTCATTT 1240
DB 444451 CAGTTCAACCATTTAAATATTGGGACATTTACAGTGGCGTGGCTATCAAAATCACGGT 444392
QY 1241 CGACAAATAGTACAAAGCTGTAATATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1300
DB 444391 GATGTATTCAATPACCAATCAAGATTGTTGGTGGCTAGCCAGCGCGTTGTTGCAATAC 444332
QY 1301 ATAGCAAGAAAGATGGTCTCAACACAGATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 1360
DB 444331 ATTAAAGGAAGAAATTTTGAATGCGGTTCCGTTGAAATGCTGATTTTGAATGAAGCCGAT 444272
QY 1361 CGCATGTTGGATATGGTTTGGTCCAGAAATGAAGAAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAAT 1420
DB 444271 AGAATGTTGCAATGGATTTGGGCAAGATGCGGAAATAATGCAAGCTGAAACCGTTGG 444212
QY 1421 CCATCAAGGAACAGCGCAACACCTTATGTCAGTGAATTTTCCAGAGAAATTCNA 1480
DB 444211 CGAAAA-----CAAACTTGTGTTTCTGCACTTAGAAGGAGTATTG 444164
QY 1481 AGGTTGGCTGACAGATTTTAAAGTCAAAATATCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1540
DB 444163 GTCCGATTCGCGAGCGTTATTGAATGATCTGTGAAGTAGATGCGGAACCAAGTCG 444104
QY 1541 GGAGCATGAT 1597
DB 444103 COTGAAGAAATAAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 444044
QY 1598 GAAAGCTGTTGAAATCTGGGAAACATAGGGGATGAAGAAATCATGCTCTTTGTTGAA 1657
DB 444043 AATTTGCTCGCGGTTTATTGAATGAGAGTAAACCGTGGNAATGTTGTTTATTCGT 443984
QY 1658 ACTAAGAAATAAGAGATTTTACTCAATTTTCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1717
DB 443983 CGTCGTGAAGATGACGCTGAATCTTCCGAAACATTCGTTAAACAGGAGCAATTCGTTCCGCA 443924

QY 1718 AGTATCCATGTTGATCGGGAACAGAGAGCGGAGCAAGCTCTTGGAGATTTTCGCTTT 1777
DB 443923 TATTTAGAGGCGAAATGSCAATACTCAACGTAACAATGCCATTGATAAATTTGAAATCA 443864
QY 1778 GGAAGTGCCAGTCTTCTGTTGCTACTTTCAGTAGCTGCCAGAGGCTGATATTTGAAAT 1837
DB 443863 GGTATTTGACCGTATTGTTGCAACAGATGTTGCTGACGTTGATTTGATTTGACGAT 443804
QY 1838 GTGCAACATGTTATCAATTTTTCATCTTCTTACCATTTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1897
DB 443803 GTAAGCCAGCTGATGAATTTTGAATTTGCTTATGCTATAGTCGGGATACTTATTTGATCGAAT 443744
QY 1898 GGGCGTACTGTTGTTGCTGGAATACTGSCAGAGCAATTTCTCTTTTTCGA 1947
DB 443743 GGACGTACCGCGGAGCTGCGAATAAGCAAGCGAGCTCTCTTTTGTGCA 443694

RESULT 15
PCT-US96-05320A-894
; Sequence 894, Application PC/TUS9605320A
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences
; APPLICANT: 9410 Key West Avenue
; APPLICANT: Rockville, MD 20850
; APPLICANT: United States of America
; APPLICANT: Johns Hopkins University
; APPLICANT: 720 Rutland Avenue
; APPLICANT: Baltimore, MD 21205
; APPLICANT: United States of America
; APPLICANT: Mark D. Adams
; APPLICANT: Owen White
; APPLICANT: Hamilton O. Smith
; APPLICANT: J. Craig Venter
; TITLE OF INVENTION: Nucleotide Sequence of the Haemophilus Influenzae Rd Genome
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20003-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/05320A
; FILING DATE: April 22, 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/476,102
; FILING DATE: June 7, 1995
; PRIOR APPLICATION DATA: 08/487,429
; APPLICATION NUMBER: 08/487,429
; FILING DATE: June 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Eric K. Steffe
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.014PC01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 894:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1254 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; PCT-US96-05320A-894

Query Match		5.6%	Score 123.6;	DB 5;	Length 1254;
Best Local Similarity		47.1%	Pred. No. 7.9e-26;		
Matches 495;		Conservative 0;	Mismatches 539;	Indels 18;	Gaps 3;
Qy	921	TTGCTAAAGCTGGTTTACTAAGCTTACTCCTGTCGCAAAATACAGTATTCCTATCATAC	980		
Db	80	TGGCAAAAAAGGCTTTGATTTTGTATCCCAATTCAGGCTTTATCCTGCTATCAGTT	139		
Qy	981	TTGCAGGACGAGATTGATGGCTTGTCTCAACAGGGTCTGGAGACTGGCGCTTTTC	1040		
Db	140	TAAATGGACGAGATGTGCGCAGGACAAAGCTCAACTGTGTACAGGCAAGCAATGGCTTTT	199		
Qy	1041	TCCTACCAATTTTGGCTCATATGATGATGATGAATAAAGTCCAGTCGTTTTAAAGAGT	1100		
Db	200	TAAAGGCTACTTTTCCACCATCTTTAACTCACCAAGA-----TCCTAACTTAAAT	250		
Qy	1101	TCGAGGACCGAGAGTGTATTTAGTGTAGCACAACACTCGAGAAATGGTCAACAGATTTAT	1160		
Db	251	ATCCTCACCACGAGCTTTGATTTTGTAGCCTACTCGAGAAATAGCGGTACAGATTAGTA	310		
Qy	1161	TGGAAGCCAGAAAAATTTCTTTTGGGACTTGTGTAGAGCTGTGTGTATATATATGGGGAA	1220		
Db	311	ATGACGAGATTTCTTTCGCAAGCGAGTGGATTAAAGACCGCACTTGCCTATGGTGGCG	370		
Qy	1221	CCAGCTGGGACATTCATTCGACAAATAGTACAAAGGCTGTATATATATATGTGCTACTC	1280		
Db	371	ATGGTTATGATAAACAACACTACAGCGATTCAGCGTGGCGTGGATTTTGTATGGTACGA	430		
Qy	1281	CTGGAAGACTGATGATATCATAGGCAAGAAAGATTTGTTCTCAACAGATCAATACT	1340		
Db	431	CGGGCGGAGTCATTTATGTGTGAACAGCGGTATTTGGTTAGATGAATCCAGTTG	490		
Qy	1341	TAGTTTTGGATGAAGCTGATCGCATGTGTGGATATGGTTTTGGTCCAGAAATGAAGAAT	1400		
Db	491	TCGTGTAGATGAAGCAGATCGAATGTTGATCTTGGTTTATCCGTGATATTCTGTTATT	550		
Qy	1401	TAAITTTCTTGCCAGGATGCCATCAAGGACAGCGCCAAACCTTATGTTCAAGTGCAA	1460		
Db	551	TATTGCGTAA-----ATGCCCCGCTCCGCAAGCTCGTTTAAACGATGTTATTTTCAGCGA	604		
Qy	1461	CTTTTCCAGAGAAATTCAAAGTTGGCTGCAGAGTTTTTAAAGTCAAATTAATCTGTTTG	1520		
Db	605	CGCTTTCTTATAAAGTGGTGAATTAGCATTTGAAGATATGAATGAACCTGA--ATATA	661		
Qy	1521	TTGCTGTGGACAGTGGGTGGAGCATGTAGATGTTTCAGCAGACCGTTCTCCAGTTG	1580		
Db	662	TTGAATTTGAACCCAGAACAAAAACAGGGCACCGCAATTAAGAGAAACTTTTTTATCCAT	721		
Qy	1581	GCCAGTTCTCAAAAGAGAAAGCTCGTTGAAATTTCTCGAAACATAGGGGATGAAGAA	1640		
Db	722	CTAATCAGATATAATGSCACTTCTCTTAACCTTAATGGAGATGAATGSCCTGAACGCT	781		
Qy	1641	CTATGGTCTTTGTTGAAACTAAGAAAAAGCAGATTTTACTGCAACTTTTCTTTGTCAAG	1700		
Db	782	GTATTGTATTGCGAATACGAAACATCGTTGTGAAGAAATTTGGGGCTATTGGCGGCTG	841		
Qy	1701	AAAAAATATCACTACAGTATCCATGATCGGAAACAGAGAGCGGGAGCAAGCTC	1760		
Db	842	ATGGGCATCGGTGCGTTTACTGACTGCGGATGTAGCAGAAAAACGTTTATCGTTAT	901		
Qy	1761	TTGAGATTTTCGTTTGGAAAGTCCCGAGTTCTTGTGTACTTTCAGTAGCTGCCAGAG	1820		
Db	902	TAAACCAATTTACTGATGGTGTATTTGGATAATTTAGTGGCAACAGATGTGCTCGTG	961		
Qy	1821	GGCTGGATTTGAAATGTGCAACATGTTATCAATTTTGTATCTCTTCTTACCATTGATG	1880		
Db	962	GCTTGCAATTTCTGATGTGCGCATGTTTCAATATATGATTTACCCGATGATCGGAAG	1021		
Qy	1881	AATATGTTCACTGAATTTGGGCTACTGTCGTTGTTGGGAATCTATGGCAGAGCAATTTCT	1940		
Db	1022	ATTATGTTTCCAGGATTTGGGCTACTGGACGAGCGGGAAGTGGTGTTCGATTAGTT	1081		
Qy	1941	TTTTTGATCTTGAATCGGATAACCAATTTAGCA	1972		

Db 1082 TCGCTTGTGAAGATATCGGATGAATTTACCA 1113

Search completed: May 9, 2004, 16:55:37

Job time : 194.964 secs